PII: S0960-0760(01)00034-6

SUBJECT INDEX

AMPA receptor(s)
activation of, inhibits prolactin and estradiol secretion and delays the onset of puberty in female rats, 277
Androgen(s)
electrostatic interactions of, and progesterone derivatives with rainbow trout estrogen recteptor, 129
receptor(s)
transcription of, and 5α-reductase in genital fibroblasts from patients with androgen insensitivity syndrome, 213
pregnenolone stimulates LNCaP prostrate cancer cell growth via the mutated, 1
regulation of the largest subunit of RNA poluymerase II in the rat ventral prostate, 43
stimulation of ornithine decarboxylase activity by, in mouse kidney, kidney, 329
Androgen insensitivity syndrome
transcription of androgen receptor and 5α-reductase in genital fibroblasts from patients with, 213
Apoptosis
DHEA inhibits cell growth and induces, in BV-2 cells, 159
Aromatase
sequence analysis and expression of the P450, and estrogen receptor genes in the *Xenopus* ovary, 101
Aromatase inhibitor formestane
effects on bone metabolism markers of the LH-RH analogue triptorelin with the, in premenopausal breast cancer, 65

Brain glia
pathways of dehydroepiandrosterone formation in, of rat, 177
Breast cancer
effects on bone metabolism markers of the LH-RH analogue triptorelin with the aromatase inhibitor formestane in premenopausal, 65
regulation of steroid sulphatase expression and activity in, 259
Breast cancer cells
modulation of estrogen receptor gene transcription in, by liposome delivered decoy molecules, 121
Breast tumors
association between estradiol, estrogen receptors, total lipids, triglycerides, and cholesterol in patients with benign malignant, 323

Cholesterol sulphate sulphohydrolase
from human placenta microsomes; purification and properties of the dephosphorylated form of enzyme, 335
Cyproterone acetate
highly sensitive and specific time-resolved fluoroimmunoassay of, 315
Cytochrome $P450_{11\beta}$ (11β-hydroxylase)
expression of, gene during gonadal sex differentiation and spermatogenesis in rainbow trout, *oncorhynchus mykiss*, 291

Daidzein
genistein and, modulate *in vitro* rat uterine contractile activity, 201
Dehydroepiandrosterone (DHEA)
immunomodulatory 7-hydroxylated metabolites of, are present in human semen, 273
inhibition of cell growth and induction of apoptosis in BV-2 cells by, 159
pathways of, formation in rat brain glia, 177

Endometrial cancer
steroid receptors and metastatic potential in, 209
Estradiol
association with estrogen receptors, total lipids, triglycerides, and cholesterol in patients with benign and malignant breast tumors, 323
inhibition of, secretion by activation of AMPA receptors in female rats, 277
quantification of rainbow trout (*Oncorhynchus mykiss*) *zona radiata* and vitellogenin mRNA levels using real-time PCR after *in vivo* treatment with, -17β or α-zearalenol, 109
Estrogen
receptor
association with estradiol, total lipds, triglycerides, and cholesterol in patients with benign and malignant breast tumors, 323
electrostatic interactions of androgens and progesterone derivatives with, in rainbow trout, 129
glycosylation of the murine, alpha, 147

PII: S0960-0760(01)00034-6

SUBJECT INDEX

AMPA receptor(s)
activation of, inhibits prolactin and estradiol secretion and delays the onset of puberty in female rats, 277
Androgen(s)
electrostatic interactions of, and progesterone derivatives with rainbow trout estrogen recteptor, 129
receptor(s)
transcription of, and 5α-reductase in genital fibroblasts from patients with androgen insensitivity syndrome, 213
pregnenolone stimulates LNCaP prostrate cancer cell growth via the mutated, 1
regulation of the largest subunit of RNA poluymerase II in the rat ventral prostate, 43
stimulation of ornithine decarboxylase activity by, in mouse kidney, kidney, 329
Androgen insensitivity syndrome
transcription of androgen receptor and 5α-reductase in genital fibroblasts from patients with, 213
Apoptosis
DHEA inhibits cell growth and induces, in BV-2 cells, 159
Aromatase
sequence analysis and expression of the P450, and estrogen receptor genes in the *Xenopus* ovary, 101
Aromatase inhibitor formestane
effects on bone metabolism markers of the LH-RH analogue triptorelin with the, in premenopausal breast cancer, 65

Brain glia
pathways of dehydroepiandrosterone formation in, of rat, 177
Breast cancer
effects on bone metabolism markers of the LH-RH analogue triptorelin with the aromatase inhibitor formestane in premenopausal, 65
regulation of steroid sulphatase expression and activity in, 259
Breast cancer cells
modulation of estrogen receptor gene transcription in, by liposome delivered decoy molecules, 121
Breast tumors
association between estradiol, estrogen receptors, total lipids, triglycerides, and cholesterol in patients with benign malignant, 323

Cholesterol sulphate sulphohydrolase
from human placenta microsomes; purification and properties of the dephosphorylated form of enzyme, 335
Cyproterone acetate
highly sensitive and specific time-resolved fluoroimmunoassay of, 315
Cytochrome $P450_{11\beta}$ (11β-hydroxylase)
expression of, gene during gonadal sex differentiation and spermatogenesis in rainbow trout, *oncorhynchus mykiss*, 291

Daidzein
genistein and, modulate *in vitro* rat uterine contractile activity, 201
Dehydroepiandrosterone (DHEA)
immunomodulatory 7-hydroxylated metabolites of, are present in human semen, 273
inhibition of cell growth and induction of apoptosis in BV-2 cells by, 159
pathways of, formation in rat brain glia, 177

Endometrial cancer
steroid receptors and metastatic potential in, 209
Estradiol
association with estrogen receptors, total lipids, triglycerides, and cholesterol in patients with benign and malignant breast tumors, 323
inhibition of, secretion by activation of AMPA receptors in female rats, 277
quantification of rainbow trout (*Oncorhynchus mykiss*) *zona radiata* and vitellogenin mRNA levels using real-time PCR after *in vivo* treatment with, -17β or α-zearalenol, 109
Estrogen
receptor
association with estradiol, total lipds, triglycerides, and cholesterol in patients with benign and malignant breast tumors, 323
electrostatic interactions of androgens and progesterone derivatives with, in rainbow trout, 129
glycosylation of the murine, alpha, 147

modulation of, gene transcription in breast cancer cells by liposome delivered decoy molecules, 121
sequence analysis and expression of the P450 aromatase and, genes in the *Xenopus* ovary, 101
identification and characterization of, variants in prostate cancer cell lines, 21
stimulation of ornithine decarboxylase activity by, in mouse kidney, 329

Genistein
affects lipogenesis and lipolysis in isolated rat adipocytes, 265
and daidzein modulate *in vitro* rat uterine contractile activity, 201
Glucocorticoid(s)
suppression of human immunodeficiency virus type-1 long terminal repeat activity by 283
Glucocorticoid-induced gene
SGK is a primary, in the human, 51
Granulosa cells
steroid sulfatase activity in cultured, in the rat ovary, 245

Human semen
immunomodulatory 7-hydroxylated metabolites of dehydroepiandrosterone are present in, 273
17α-Hydroxylase-C17,20-lyase
development of a simple and rapid assay for the evaluation of inhibitors of human, in *Escherichia coli*, 57

c-*jun*
delayed induction of, in apoptotic human leukemic lymphoblasts is primarily transcriptional, 91

Leukemic lymphoblasts
dealyed induction of c-*jun* in apoptotic human, is primarily transcriptional, 91
Leydig cell
possible involvement of ceramide in the regulation of rat, function, 307
LNCaP prostate cancer cell
pregnenolone stimulates the growth of, via the mutated androgen receptor, 1

MCF-7 human breast cancer cells
estrogen-induced mitogenesis of, does not require the induction of mitogen-activated protein kinase activity, 11

NADPH-cytochrome-P450-reductase
development of a simple and rapid assay for the evaluation of inhibitors of human 17α-hydroxylase-C17,20-lyase by co-expression of P450C17 with, in *Escherichia coli*, 57
Neuroactive steroid(s)
precursors of, and polar conjugates during parturition and postpartum in maternal and umbilical blood, 237
Nitric oxide
inhibitory effects of stress-activated, on antioxidant enzymes and testicular steroidogenesis, 299

Pregnenolone
metabolism of, in transformation of steroids by *bacillus* strains isolated from the foregut of water beetles, 187
stimulation of LNCaP prostate cancer cells growth by, via the mutated androgen receptor, 1
Progesterone
electrostatic interactions of androgens and, derivatives with rainbow trout estrogen receptor, 129
receptor(s)
cloning and cellular localization of the canine, co-localization with growth hormone in the mammary gland, 219
non-steroidal, ligands with unprecedented receptor selectivity, 33
Prolactin
inhibition of, secretion by activation of AMPA receptors in female rats, 277
Prostate
androgen regulation of the largest subunit of RNA polymerase II in the rat ventral, 43
Prostate cancer cells
identification and characterization of estrogen receptor variants in, 21

Receptor(s)
androgen
transcription of, and 5α-reductase in genital fibroblasts from patients with androgen insensitivity syndrome, 213
estrogen(s)
association with estradiol, total lipids, triglycerides, and cholesterol in patients with benign and malignant breast tumors, 323
electrostatic interactions of androgens and progesterone derivatives with, in rainbow trout, 129
glycosylation of the murine, alpha, 147
identification and characterization of, variants in prostate cancer cell lines, 21
modulation of, gene transcription in breast cancer cells by liposome delivered decoy molecules, 121
sequence analysis and expression of the P450 aromatase and, genes in the *Xenopus* ovary, 101
progesterone
cloning and cellular localization of the canine, co-localization with growth hormone in the mammary gland, 219
non-steroidal, ligands with unprecedented receptor selectivity, 33
5α-Reductase
transcription of androgen receptor and, in genital fibroblasts from patients with androgen insensitivity syndrome, 213
5α-Reductase type 2
enzyme assay for, activity in the presence of 5α-reductase type 1 activity in rat testis, 75

Sex hormone binding globulin
interactions between human plasma, and xenibiotic ligands, 167
Sex steroid binding protein
human plasma, identification of TYR-57 and MET-107 in the steroid binding site, 139
Steroid(s)
receptor(s)
and metastatic potential in endometrial cancers, 209
Steroidogenesis
inhibition of, by econazole and miconazole, 229
inhibitory effects of stress-activated nitric oxide on testicular, 299
Steroid sulphatase
activity in the rat ovary, cultured granulosa cells and a granulosa cell line, 245
inhibition of, activity by tricyclic coumarin sulphamates, 253
regulation of, expression and activity in breast cancer, 259

Triptorelin
effects on bone metabolism markers of, the LH-RH analogue with the aromatase inhibitor formestane in premenopausal breast cancer, 65

Vitellogenin mRNA
quantification of rainbow trout (*Oncorhynchus mykiss*), levels using real-time PCR after *in vivo* treatment with estradiol-17β or α-zearalenol, 109

We would like to express our deep thanks to the following persons for their kind collaboration in reviewing papers for this volume of **The Journal of Steroid Biochemistry & Molecular Biology:**

ABALAIN H.J., Brest, FRANCE
CLARKE R., Washington, U.S.A
FRENCH F.S., Chapel Hill, U.S.A.
LUU-THE V., Quebec, CANADA
MORFIN R., Paris, FRANCE
PUROHIT A., London, ENGLAND, U.K.
ROMMERTS F.F.G., Rotterdam, The NETHERLANDS
SCHAAF M., Research Triangle Park, U.S.A.
SCHUMACHER M., Le Kremlin-Bicêtre, FRANCE
YLIKOMI T., Tampere, FINLAND

PII: S0960–0760(01)00035–8

AUTHOR INDEX

Aguilar E., 277
Allan G. F., 33
Andric S. A., 299
Ansari N. H., 91
Aoki I., 209

Bajetta E., 65
Barlet J. P., 201
Bassler J., 213
Beyer A. R., 245
Bičíková M., 237
Bombardieri E., 65
Boudi A., 315
Boudou P., 315
Brodie A. H. M., 1
Brown R. C., 177

Campen C. A., 33
Cánepa D. F., 307
Cascio C., 177
Čegan A., 237
Celio L., 65
Celius T., 109
Cheng X., 147
Chou S.-J., 159
Chrousos G. P., 283
Chung L. W. K., 21
Cibula D., 237
Cigorraga S. B., 307
Cinar B., 21
Clemens J. W., 245
Combs D. W., 33
Coxam V., 201
Cyriac J., 43

Dalle M., 201
Davicco M. J., 201
D'Cotta H., 291
Dettner K., 187
Di Bartolomeo M., 65

Ehmer P. B., 57

Fajt T., 237
Fejes-Tóth G., 51
Ferrari L., 65
Fiet J., 315
Fujimoto J., 209

Galons H., 315
Ganeshapillai D., 253
Ghilchik M. W., 259
Giesy J. P., 109
Giton F., 315
Gniot-Szulżycka J., 335
Gonzalez L., 277
Govoroun M., 291
Grigoryev D. N., 1
Guiguen Y., 291

Hales D. B., 177
Hammond G. L., 167
Hampl R., 237, 273
Han Z., 177
Hart G. W., 147
Hartmann R. W., 57
Havlíková H., 237
Haynes-Johnson D., 33
Hellwinkel O. J.-C., 213
Hill M., 237, 273
Hiort O., 213
Hodgen G., 33
Holst M., 329
Ho W.-M., 159
Hu M.-L., 159
Hutchins A., 33

Jeng K.-C. G., 159
Jose J., 57
Jury H. H., 167

Kabler H. L., 245
Khatun S., 209
Kiddoe M., 33
Kino T., 283
Klak J., 237
Kopp J. B., 283
Kostic T. S., 299
Kovacevic R. Z., 299
Kraft P., 33

Lai M.-T., 33
Lambertini E., 121
Lantinga-van Leeuwen I. S., 219
Lareyre J.-J., 291
Lebecque P., 201
Li P.-K., 245
Li S., 21
Liu S., 291
Liu Y., 177
Lobenhofer E. K., 11
Lombardi E., 33
Long B. J., 1

Mady E. A., 323
Malini B., 253
Mariani L., 65
Maric D., 299
Marks J. R., 11
Martinetti A., 65
Matthews J. B., 109
McLachlan R. I., 75
McMeel O. M., 291
Medh R. D., 91
Meroni S. B., 307
Miceli R., 65
Miyashita K., 101
Miyata S., 101
Mol J. A., 219
Mori T., 129

Nagahama Y., 291
Náray-Fejes-Tóth A., 51
Nastruzzi C., 121
Néliat G., 201
Newman S. P., 259
Nguyen D. K., 139
Njar V. C. O., 1
N. Kuratko C., 229
Nogowski L., 265

O'Donnell L., 75
Ooi G. T., 75
Orr W. R., 139
Osanai S., 101

Palmer S., 33
Papadopoulos V., 177
Pařízek A., 237
Pedersen P., 33
Pellizzari E. H., 307
Penolazzi L., 121
Pétra P. H., 139
Picherit C., 201
Pinilla L., 277
Piva R., 121
Potter B. V. L., 253, 259
Pozzi P., 65
Pratis K., 75
Purohit A., 253, 259

Raynaud J.-P., 315
Reed M. J., 253, 259
Ricordel M.-J., 291
Ritzén E. M., 329
Robertson D. M., 75
Rutteman G. R., 219
Rybczynski P., 33

Sakaguchi H., 209
Sarap J. L., 245
Schaaf O., 187
Selcer K. W., 245
Senno L., 121
Seregni E., 65
Shimizu N., 101
Smith T., 291
Stárka L., 237, 273
Šterzl I., 273
Stocco D. M., 229
Stokes J. B., 51
Sui L.-m., 139
Šulcová J., 237
Sumiya S., 129
Svechnikov K., 329
Szkudelska K., 265
Szkudelski T., 265

Tamaya T., 209
Tena-Sempere M., 277
Thompson E. B., 91
Toffolatti L., 65
Toyoki H., 209
Tufts R., 43

van Garderen E., 219
Vexiau P., 315
Volk K. A., 51

Walsh L. P., 229
Wang Z., 43
Wieczorek B., 335
Woodcock K. T., 139
Woo L. W. L., 253

Yang N.-C., 159
Ye Q., 21
Yokota H., 129

Zacharewski T. R., 109, 167
Zhang W., 91
Zhau H. E., 21
Zhou F., 91
Zilembo N., 65